

# 35W4

# HALF-WAVE VACUUM RECTIFIER

MINIATURE TYPE

MINIMIONE III	7		
GENERAL DATA			
Electrical: Without With No. 40			
Heater, for Unipotential Cathode: Panel Lamp Voltage (AC or DC): Entire Heater (pins 3 & 4). 35 Panel-Lamp Section (pins 4 & 6) 7.5 Current {between pins 3 & 4 . 0.15 between pins 3 & 6 amp			
Mechanical:			
Mounting Position			
HALF-WAVE RECTIFIER			
Maximum Ratings, Design-Center Values:			
PEAK INVERSE PLATE VOLTAGE			
With Panel Lamp & \{\text{No Shunting Resistor.} & 60 max. ma} \text{Shunting Resistor.} & 90 max. ma	ł		
Without Panel Lamp` 100 max. ma	1		
PANEL-LAMP-SECTION VOLTAGE (RMS):   When panel lamp fails			
Heater negative with respect to cathode.  Heater positive with respect to cathode.  330 max. volts			
Typical Operation with No.40 or No.47 Panel Lamp in Accompanying Half-Wave Circuit with Capacitor-Input Filter:			
AC Plate-Supply Volt. (RMS). 117 117 117 117 volts Filter-Input Capacitor 40 40 40 40 µf			
Min. Total Effective Plate-Supply Impedance . 15 15 15 ohms Panel-Lamp Shunting Res 300 150 100 ohms DC Output Current 60 70 80 90 ma			
bo output current oo 70 oo 30 ma			

← Indicates a change.

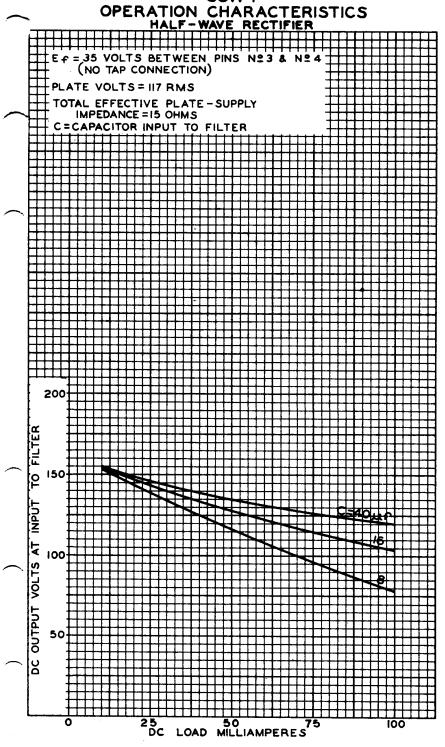


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	Typical Operation Without Panel Lamp in Conventional Half-Wave Circuit with Capacitor-Input Filter:	
	AC Plate—Supply Voltage (RMS)	
<b>→</b>	At half-load current (50 ma.) 135 volts At full-load current (100 ma.) 120 volts Voltage Regulation (Approx.): Half-load to full-load current 15 volts	
	Maximum Circuit Values:	~
	Panel-Lamp Shunting Resistor:*  For dc output current of \{ 80 ma 800 max. ohms \\ 80 ma 400 max. ohms \\ 90 ma 250 max. ohms	
	*Required when dc output current is greater than 60 ma.	
	W. 1. F. W. 1. F. 2. T.	
	HALF-WAVE CIRCUIT with No.40 or No.47 Panel Lamp	
	TYPE 35W4 7	
	RS PANEL DC OUTPUT	(
	DROP ACROSS R AND ALL HEATERS (WITH PANEL LAMP) SHOULD EQUAL 117 VOLTS AT 0.15 AMPERE. R <sub>S</sub> = SHUNTING RESISTOR REQUIRED WHEN DC OUTPUT CURRENT EXCEEDS 60 MILLIAMPERES	_
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	Devices and arrangements shown or described herein may use patents of RCA or others. Information contained herein is furnished without responsibility by RCA for its use and without prejudice to RCA's patent rights.	_
Ł	→ Indicates a change.	

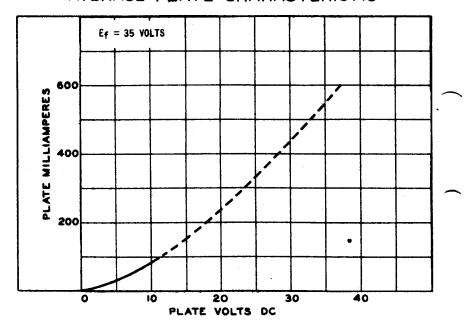








## AVERAGE PLATE CHARACTERISTIC



92CM-6305TV